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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,253	04/23/2004	Brendan Coffey	031075	3252
22876 7590 03/18/2008 FACTOR & LAKE, LTD 1327 W. WASHINGTON BLVD.			EXAMINER	
			MARTIN, ANGELA J	
SUITE 5G/H CHICAGO, IL 60607			ART UNIT	PAPER NUMBER
			1795	
			MAIL DATE	DELIVERY MODE
			03/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)			
Office Action Summers	10/709,253	COFFEY ET AL.			
Office Action Summary	Examiner	Art Unit			
	Angela J. Martin	1795			
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory perion.  - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be tin or will apply and will expire SIX (6) MONTHS from tute, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) ☐ Responsive to communication(s) filed on 20 2a) ☐ This action is <b>FINAL</b> . 2b) ☐ The substitution of t	nis action is non-final. vance except for formal matters, pre				
Disposition of Claims					
4)  Claim(s) 1-45 is/are pending in the application 4a) Of the above claim(s) 19-22 and 25-45 is 5)  Claim(s) is/are allowed.  6)  Claim(s) 1-18, 23, 24 is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and are subject to restriction and application Papers  9)  The specification is objected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) filed on is/are: a) are subjected to by the Examination The drawing(s) are subje	s/are withdrawn from consideration.  I/or election requirement.  ner.				
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	ection is required if the drawing(s) is ob	pjected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail D 5)  Notice of Informal F 6)  Other:	ate			

## **DETAILED ACTION**

This Office Action is responsive to the Remarks filed on December 20, 2007. A new rejection is presented for the following reasons of record.

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-18, 23, 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee et al., U.S. Pat. No. 6,472,099 B1.

Rejection of claims 1-18, 23, 24 drawn to an electrochemical battery cell.

Lee et al., teach an electrochemical battery cell comprising: a cell housing defining an inner space, a first terminal and a second terminal; and at least one pre-formed pellet disposed within the inner space of the cell housing, the pellet comprising: an outer electrode portion formed from a material to geometrically define the pellet in a solid form, the outer electrode portion in electrical communication with the first terminal of the cell housing; and an inner electrode encapsulated by a separator and embedded within the material of the outer electrode portion, the inner electrode in electrical communication with the second terminal of the cell housing and electrically insulated from the outer electrode portion (abstract; Fig. 2-4). The battery cell of claim 1, wherein the inner electrode comprises a thin and substantially flat structure (disk) in a coiled

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configuration (Fig. 7). The battery cell of claim 1, wherein the inner electrode includes an electrical lead to facilitate electrical communication with the negative terminal of the cell housing (col. 5, lines 21-30). The battery cell of claim 1, wherein the inner electrode comprises an anode and the outer electrode portion comprises a cathode portion, and wherein the first terminal has a positive polarity and the second terminal has a negative polarity (col. 17, lines 10-46). The battery cell of claim 4, wherein the anode comprises a thin and substantially flat structure in a coiled configuration (col. 10, lines 50-66). The battery cell of claim 4, wherein the anode includes an electrical lead to facilitate electrical communication with the negative terminal of the cell housing (col. 5, lines 21-30). The battery cell of claim 4, wherein the anode comprises a material selected from the group consisting of zinc, metallic zinc; and wherein the cathode portion comprises MnO.sub.2 (col. 3, lines 55-63). The battery cell of claim 4, the material of the cathode portion consisting essentially of: MnO.sub.2; a conductive powder; and an additive selected from the group consisting of a binder, and combinations thereof (col. 18, lines 31-35). The battery cell of claim 4, further comprising a current collector embedded within the material of the cathode portion (col. 15, lines 29-37) teach an electrochemical battery cell comprising: a cell housing defining an inner space, a positive terminal and a negative terminal; and a plurality of pre-formed pellets disposed within the inner space of the cell housing, each of the pellets comprising: a cathode portion formed from a material to geometrically define the pellet in a solid form, the cathode portion in electrical communication with the positive terminal of the cell housing; and an anode encapsulated by a separator and embedded within the material of the cathode portion,

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the anode in electrical communication with the negative terminal of the cell housing and electrically insulated from the cathode material (abstract; Fig. 2-4). The battery cell of claim 11, wherein the cathode portion of each of the plurality of pellets is in direct electrical contact with the cathode portion of at least one of the other pellets (claims 1 and 11). The battery cell of claim 11, wherein the anode of each of the plurality of pellets includes an electrical lead, the electrical lead of the anode of each of the plurality of pellets being in direct electrical contact with one of either the electrical lead of the anode of one of the other pellets or the negative terminal of the cell housing (claims 1 and 11). The battery cell of claim 11, wherein the anode comprises a thin and substantially flat structure (disk) in a coiled configuration (Fig. 7). The battery cell of claim 11, wherein the anode comprises a material selected from the group consisting of metallic zinc (col. 18, lines 25-40). The battery cell of claim 11, the material of the cathode portion consisting essentially of: MnO2; a conductive powder; and an additive selected from the group consisting of an electrolyte (col. 18, lines 25-40). An electrochemical battery cell comprising: a cell housing defining an interior space; a positive terminal and a negative terminal connected to the cell housing and having a portion disposed exteriorly the cell housing; and at least one pre-formed pellet disposed within the interior space of the cell housing, the pellet comprising a cathode portion and an anode encapsulated by a separator, the pellet being formed by embedding the anode into a material used to form the cathode portion and forming the cathode portion to geometrically define the pellet the cathode portion in electrical communication with the positive terminal of the cell and the anode in electrical communication with the

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negative terminal of the cell (abstract; Fig. 2-4; col. 17, lines 10-46). The battery cell of claim 23, wherein the pellet further comprises a current collector embedded within the material used to form the cathode portion (col. 3, lines 14-29).

Thus, the claims are anticipated.

## Response to Arguments

3. Applicant's arguments with respect to above claims have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela J. Martin whose telephone number is 571-272-1288. The examiner can normally be reached on Monday-Friday from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AJM /Angela J. Martin/

Examiner, Art Unit 1795

/PATRICK RYAN/

Supervisory Patent Examiner, Art Unit 1795